

B NLC D L I R

Light management systems



Product family features

- With/without Daylight and Occupancy Sensor D4i Module
- Bluetooth NLC enabled by Silvair
- Control of D4i drivers or DALI drivers with additional DALI bus power supply
- Intended for installation into a standard 1/2" knockout
- Works with Inventronics Hubsense®
- Works with Inventronics D4i LED drivers

Product family benefits

- Standard communication protocol released by Bluetooth SIG
- Design freedom due to compact size
- Easy to integrate in luminaire
- Minimize internal wiring in combination with D4i drivers
- Secured product communication granted by ioXT and PSA Certificates

Areas of application

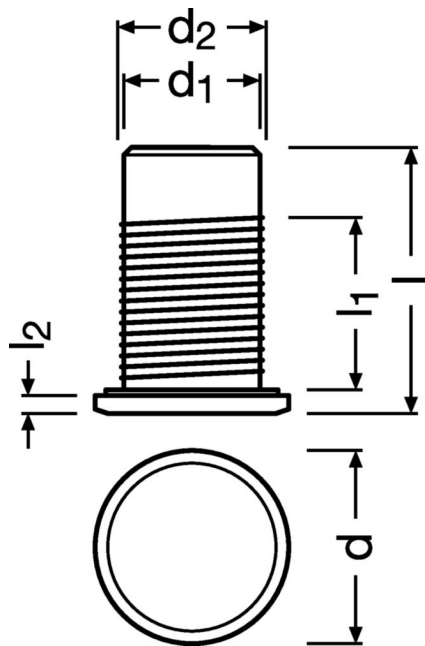
- Open offices
- Individual offices
- Conference rooms
- Classrooms
- Storage and break areas
- Stairways
- Toilets
- Suitable for high installation heights
- Entrance halls
- High-bay warehouse
- Production halls

Technical data

Electrical data

Input voltage DC	12...22.5 V
Nominal voltage	13,5 ... 22,5 V
Mains frequency	0 Hz
Maximum TX power	+8 dBm
Peak input current	30 mA
Average input current	10 mA
Radio frequency	2.4 GHz
Wireless protocol	Bluetooth NLC enabled by Silvair
Wireless range	20 m line of sight
Standby power	< 150 mW
Required DALI current (typical)	10 mA
Peak DALI current	30 mA
System wattage	0.30 W

Dimensions & weight



Product weight	18.20 g
Wire preparation length, input side	7...9 mm
Cable cross-section, input side	0.25...0.75 mm ²
Length	36.0 mm
Width	28.0 mm
Height	39.0 mm
Mounting hole diameter	22.2...23.2 mm
Maximum allowed cable length	10
Screw thread length	25 mm
Diameter	28.0 mm

Temperatures & operating conditions

Maximum temperature at tc test point	60 °C
Ambient temperature range	-20...+50 °C
Temperature range at storage	0...70 °C
Permitted rel. humidity during operation	0...90 %
Permitted relative humidity at storage	0...95 %

Lifespan

Lifespan	50000 h
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Capabilities

Dimming interface	D4i
Dimmable	Yes
Type of installation	Luminaire integration
Compatibility	Works with Inventronics HubSense / Works with Inventronics DEXAL
Control output	D4i
Status Indicator	Blue: network Status / Red: Motion detected
Reset	Magnetic ¹⁾
Number of connected drivers	4
Control interface	Bluetooth NLC

1) by magnet

Certificates & standards

Approval marks – approval	CE / ioXT / PSA
Protection class	II
Type of protection	IP54

Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Primary Article Identifier	6977078990387
Date of Declaration	31-03-2026
Declaration No. in SCIP database	In work
SCIP_STATUS	In work
SCIP_ID	

Download Data

File		
CAD data 2-dim	Compressed	▶ B NLC D LI R 2PDF 4551621 161025
CAD data 3-dim	Compressed	▶ B NLC D LI R 3PDF 4551621 161025
CAD data	Compressed	▶ B NLC D LI R STEP 200824
CAD data	Compressed	▶ B NLC D LI R STEP 4551621 161025
CAD data	Compressed	▶ B NLC D LI R IGS 4551621 161025
User instruction	PDF	▶ G15129351_B-NLC-D-OF-LI__B-NLC-D-LI-R__B-NLC-D-OF-LI-S_07

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
6977078990387 INVENTRONICS	B NLC D LI R	Shipping carton box 50 Pieces	330 x 287 x 195 mm	18.47 dm ³	30.60 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit